

AFW *afw*
RMD *RMD*

30 June 1971

MEMORANDUM FOR: Chief, CI Staff

SUBJECT : Conversion of pre-1962 56-71175
FILE: Compuscan
Data to Computer Tape

REFERENCES : a) SG-70/83, dated 16 March 1970

25X1C

b) DDP/RMS-70/51, dated 6 April 1970

25X1C

1. Reference (a) proposed that conversion of the pre-1962 25X1C data from microfilm to computer language be accomplished using optical character recognition techniques developed by the Compuscan Company of Leonia, New Jersey. We estimated that this job could be done at one-quarter the cost of traditional conversion methods. Reference (b) approved this project subject to the qualification that a test sample of the microfilm file should be run before commitment was made for the entire job.

2. This office obtained the necessary clearances and provided a test sample to Compuscan. Their conclusion, after extensive testing of the sample microfilm, is that the most economical method of conversion is by traditional keyboarding methods. The sample was subsequently submitted to a second vendor (Dissly Systems Corporation of Easton, Pennsylvania) *to determine* ~~to determine~~ their capability to convert this file using optical character recognition techniques. They reached a similar conclusion based upon the relatively poor quality of the film. Thus it appears that this project cannot be accomplished within the cost estimates originally provided.

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3. In the event that ~~it~~^{re-key} is considered desirable to ~~re-key~~ this data, ~~several estimates of the cost have been~~ several estimates of the cost have been obtained. These estimates are based upon a minimum file size of 680,000 lines and a maximum file size of 750,000 lines of data.

	<u>Minimum Figure</u>	<u>Maximum Figure</u>
Dissly Systems Corporation*	\$47,600.00	\$52,500.00
Service Bureau Corporation*	\$50,082.00	\$55,237.50
U.S. Census Bureau*	\$51,680.00	\$57,000.00

*Census Bureau costs are estimated on the basis of previous work done for this office. The other estimates are based upon specific quotations from each vendor for this project.

4. Dissly is currently performing several ~~_____~~ for us; Service Bureau has performed many keypunching jobs for us in previous years. Both are, or soon will be, located in the metropolitan area. Key personnel at both installations have been granted Industrial Security Approvals. Census Bureau, of course, has a compartmented facility for conversion of classified projects through SECRET.

5. If you wish to proceed with this project, I suggest it be re-submitted for DDP approval.

RMD

cc: Chief, RID
Executive Secretary, CSRC

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ATTACHMENT NO. 1

Census Bureau Contract Keypunching Costs

Number of keystrokes (columns) per card:	72 (mixed alpha-numeric)
Expected number of cards per day per keypuncher:	1250 cards/day
less 20% overhead:	1000 cards/day

Expected number of lines of microfilm (where one line equals one punch card):

<u>Minimum Figure</u>	<u>Maximum Figure</u>
680,000 lines	750,000 lines

Expected number of lines divided by number of cards per day per keypuncher:	
680 man days	750 man days

Number of man days multiplied by number of hours per day (8):	
5440 man hours	6000 man hours

Number of man hours multiplied by two (2) for 100% verification:	
10,880 man hours	12,000 man hours

Number of man hours multiplied by Census Bureau cost per KPV man hour (\$4.75 per hour):

<u>\$51,680.00</u>	<u>\$57,000.00</u>
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